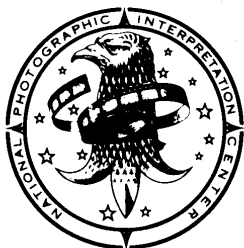
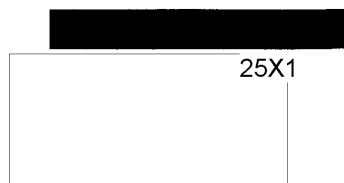


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PHOOTOGRAPHIC
INTERPRETATION
REPORT

NATIONAL PHOTOGRAPHIC
INTERPRETATION CENTER

CONSTRUCTION ACTIVITY AND FORCE IMPROVEMENT, KIEV MILITARY DISTRICT, USSR (S)

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DISSEMINATION CONTROL ABBREVIATIONS

NOFORN-	Not Releasable to Foreign Nationals
NOCONTRACT-	Not Releasable to Contractors or Contractor/Consultants
PROPIN-	Caution-Proprietary Information Involved
USIBONLY-	USIB Departments Only
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CONSTRUCTION ACTIVITY AND FORCE IMPROVEMENT, KIYEV MILITARY DISTRICT, USSR (S)

ABSTRACT

1. (TSR) This report contains a brief discussion of construction and force improvement observed on KEYHOLE imagery over the past five years of ground force facilities in the Kiyev Military District. Imagery and tabular information are also included. The information cutoff date for this report is 1 September 1977.

INTRODUCTION

2. (TSR) KEYHOLE imagery of ground force facilities in the Kiyev Military District (MD) over the past five years showed a major construction program and corresponding force improvements. Figure 1 shows the locations of the more significant construction activity and T-72 tank deployments; Table 1 lists installations where major construction has taken place and where T-72 tanks and other types of equipment have been observed.

MAJOR CONSTRUCTION PROGRAM

3. (TSR) Covered storage for at least 4,000 vehicles has been constructed at 60 installations. This construction program has increased covered vehicle storage facilities within the MD by approximately 30 percent. The program has included the construction and expansion of at least 130 multibay double-depth vehicle storage buildings, 25 vehicle maintenance and support buildings, and 20 barracks.

4. (TSR) During the past five years, the most extensive construction activity was seen in the tank division areas at Cherkassy, Chuguyev, Krivoy Rog, Volnoye, and Vypolzov (items 11, 14, 16, 17, and 9, Figure 1). The construction activity seen at Vypolzov Army Barracks AL-1 [redacted] is typical of that seen at the other tank division installations. Construction activity has also been seen at Artemovsk Army Barracks Central AL-3 (item 1, Figure 1) where an unidentified tank division was observed.

5. (TSR) Additional construction activity has been seen in the artillery regiment area at Fastov and in the artillery division area at Novomoskovsk and at Voroshilovgrad (items 13, 5, and 8), where elements of a motorized-rifle division are located.

FORCE IMPROVEMENT

6. (TSR) In addition to the construction activity, T-72 tanks have been seen in the five tank division areas at Cherkassy, Chuguyev, Volnoye, and Vypolzov (items 11, 14, 17, and 9). Regimental strength deployments of T-72 tanks have been seen at all of the installations but Chuguyev where approximately 16 T-72 tanks have been seen. The first regimental strength deployment of T-72 tanks was seen at Vypolzov [redacted]

7. (TSR) Other indications of force improvements over the past five years include the identification of 122mm M-1974 and 152mm M-1973 self-propelled guns in the artillery school at Sumy Army Barracks AL-1 (item 6) and Sumy Training Area [redacted]

[redacted] SA-8 transporter-erector-launchers were identified in the Akhtyrka Training Area [redacted] SA-6 equipment has also been seen at various training facilities in the Kiyev City area [redacted] With the exception of the T-72 tanks, deployment of this equipment to operational units cannot be confirmed on imagery.

8. (TSR) An additional indication of force improvement or realignment was seen at Dnepropetrovsk [redacted] Elements of an additional artillery regiment and anti-aircraft artillery regiment were observed at Dnepropetrovsk Army Barracks Central AL-1 (item 15). The additional two regiments probably came from Dnepropetrovsk Army Barracks AL-2 (BE [redacted] which appeared to be mostly vacant.

CONCLUSION

9. (TSR) The vast increase in covered storage facilities will provide covered storage for a majority of the combat units in the Kiyev MD and may mask future force improvements and unit realignments. The introduction of new combat and air defense equipment will continue to improve the combat effectiveness and capabilities of units in the MD.

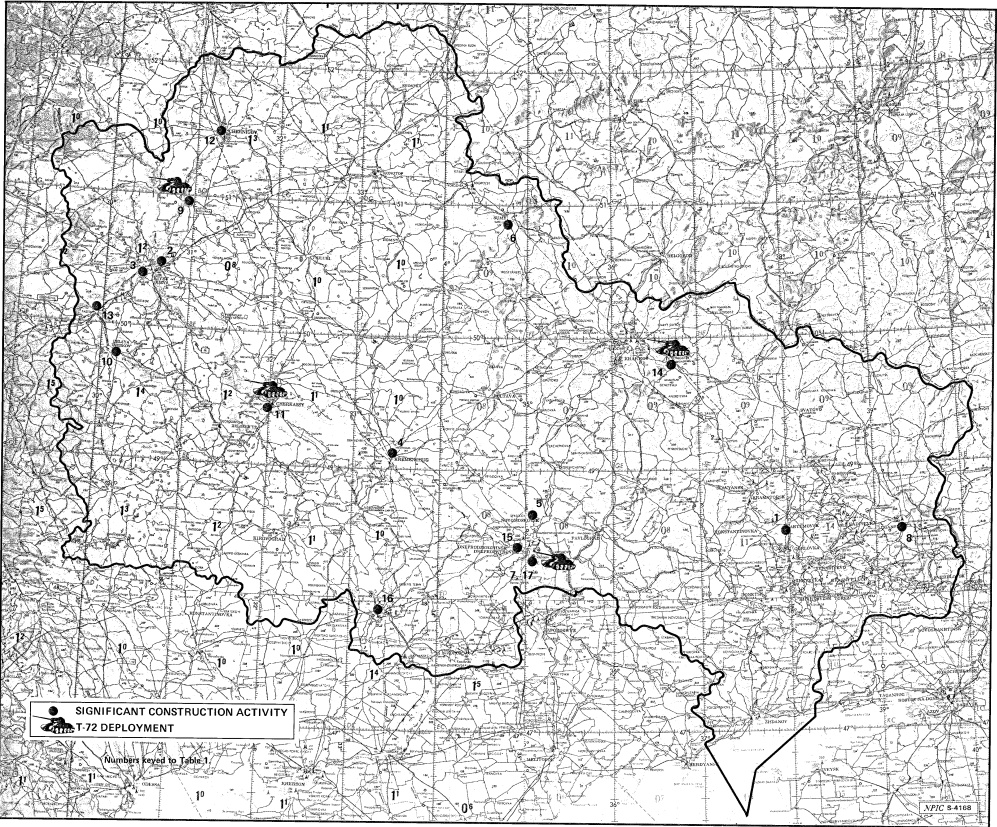


FIGURE 1. LOCATIONS OF MAJOR CONSTRUCTION ACTIVITY AND T-72 TANK DEPLOYMENT IN KIEV MILITARY DISTRICT, USSR

Table 1. Major Construction Activity and Tank Deployment (Keyed to Figure 1).
This table in its entirety is classified TOP SECRET RUFF

Item	Installation Name	Coordinates
Military District Headquarters		
1	Antonovsk Army Barracks Central AL-3	48-35-45N 037-58-30E
2	Brovary Army Barracks AL-1	50-29-50N 030-44-30E
3	Kiyev Army Barracks AL-7	50-30-15N 030-27-07E
4	Kremenchug Army Barracks AL-4	49-05-16N 033-29-23E
5	Novomoskovsk Army Barracks North AL-2	48-39-40N 035-14-20E
6	Sunny Army Barracks AL-1	50-52-53N 034-47-23E
7	Volnoye Army Barracks AL-1/Reserve Equipment Storage	48-42-22N 035-22-59E
8	Voroshilovgrad Army Barracks Northwest AL-1	48-34-49N 039-15-59E
9	Vypoltov Army Barracks AL-1	50-55-37N 030-45-41E
First Guards Army		
10	Belaya Tserkov Army Barracks Ross AL-1	49-48-45N 030-05-32E
	Belaya Tserkov Army Barracks AL-2	49-49-45N 030-04-54E
11	Cherkassy Army Barracks AL-1	49-26-24N 032-02-47E
12	Chernigov Army Barracks East AL-3	51-30-25N 031-20-30E
13	Fastov Army Barracks Southwest AL-1	50-04-16N 029-54-39E
Sixth Tank Army		
14	Chuguyev Army Barracks Southeast AL-1	49-48-55N 030-44-08E
	Chuguyev Army Barracks AL-4	49-50-24N 036-43-37E
15	Dnepropetrovsk Army Barracks Central AL-1	48-27-39N 035-00-33E
	Dnepropetrovsk Army Barracks AL-2	48-26-45N 035-03-04E
16	Krivoy Rog Army Barracks AL-1	47-53-32N 033-18-15E
	Krivoy Rog Army Barracks AL-2	47-53-00N 033-14-50E
17	Volnoye Army Barracks AL-1/Reserve Equipment Storage	48-42-22N 035-22-59E
	Volnoye Army Barracks Samara River North AL-2	48-44-19N 035-19-19E

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REFERENCES

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MAPS OR CHARTS

DMA. Aerospace Center, Series ONC, Sheets E3, E4, F3, and F4, 5th ed, Feb 74, scale 1:1,000,000 (UNCLASSIFIED)

RELATED DOCUMENT

DIA. DDI-1100-149-76, *Combined Soviet Ground Order of Battle (U)*, Nov 76 (SECRET)

REQUIREMENT

Project 143470NR

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List of Conversion Factors by Classification

UNITS OF LENGTH

<i>IF YOU HAVE</i>	<i>MULTIPLY BY</i>	<i>TO OBTAIN</i>
MILLIMETERS	0.0394	INCHES
CENTIMETERS	0.3937	INCHES
INCHES	25.4000	MILLIMETERS
INCHES	2.5400	CENTIMETERS
FEET	0.3048	METERS
FEET	0.0003	KILOMETERS
YARDS	0.9144	METERS
METERS	3.2808	FEET
METERS	0.0005	MILES(NAUTICAL)
METERS	1.0936	YARDS
KILOMETERS	3280.8400	FEET
KILOMETERS	0.6214	MILES(STATUTE)
KILOMETERS	0.5400	MILES(NAUTICAL)
MILES(STATUTE)	1.6093	KILOMETERS
MILES(NAUTICAL)	6076.1154	FEET
MILES(NAUTICAL)	1.8520	KILOMETERS
MILES(NAUTICAL)	1852.0000	METERS

UNITS OF MASS

<i>IF YOU HAVE</i>	<i>MULTIPLY BY</i>	<i>TO OBTAIN</i>
KILOGRAMS	2.2046	POUNDS(AVOIR.)
POUNDS(AVOIR.)	0.4536	KILOGRAMS
SHORT TONS	0.9072	METRIC TONS
METRIC TONS	1.1023	SHORT TONS
METRIC TONS	0.9842	LONG TONS
LONG TONS	1.0160	METRIC TONS

UNITS OF VOLUME

<i>IF YOU HAVE</i>	<i>MULTIPLY BY</i>	<i>TO OBTAIN</i>
LITERS	0.2642	GALLONS
LITERS	0.0063	BARRELS(POL)
LITERS	0.0010	CUBIC METERS
GALLONS	3.7854	LITERS
GALLONS	0.1337	CUBIC FEET
GALLONS	0.0238	BARRELS(POL)
GALLONS	0.0038	CUBIC METERS
BUSHELS	0.0352	CUBIC METERS
CUBIC FEET	7.4805	GALLONS
CUBIC FEET	0.1781	BARRELS(POL)
CUBIC FEET	0.0283	CUBIC METERS
CUBIC YARDS	0.7646	CUBIC METERS
BARRELS(POL)	158.9873	LITERS
BARRELS(POL)	42.0000	GALLONS
BARRELS(POL)	5.6146	CUBIC FEET
BARRELS(POL)	0.1590	CUBIC METERS
CUBIC METERS	1000.0000	LITERS
CUBIC METERS	264.1721	GALLONS
CUBIC METERS	35.3147	CUBIC FEET
CUBIC METERS	28.3776	BUSHELS
CUBIC METERS	6.2898	BARRELS(POL)
CUBIC METERS	1.3080	CUBIC YARDS

UNITS OF AREA

<i>IF YOU HAVE</i>	<i>MULTIPLY BY</i>	<i>TO OBTAIN</i>
SQUARE CENTIMETERS	0.1550	SQUARE INCHES
SQUARE INCHES	6.4516	SQUARE CENTIMETERS
SQUARE FEET	0.0929	SQUARE METERS
SQUARE YARDS	0.8361	SQUARE METERS
SQUARE METERS	10.7639	SQUARE FEET
SQUARE METERS	1.1960	SQUARE YARDS
SQUARE METERS	1.0000	CENTARES
SQUARE METERS	0.0002	ACRES
SQUARE METERS	0.0001	HECTARES
ACRES	4046.8564	SQUARE METERS
ACRES	0.4047	HECTARES
HECTARES	10000.0000	SQUARE METERS
HECTARES	2.4711	ACRES

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